This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (original): A method for migrating managed state for a Java based application, comprising the operations of:

executing a first Java module on a first server, the first Java module including a first entity bean and a first state object in communication with the first entity bean, the first state object storing a state of the first entity bean;

replicating the first state object to a state server; and

starting a second Java module on a second server, the second Java module having a second state object.

Claim 2 (original): A method as recited in claim 1 wherein the second state object obtains a related managed state through migration of state from the first server.

Claim 3 (original): A method as recited in claim 1, wherein the second state object obtains a related managed state through recovery of the state replicated in the state server.

Claim 4 (original): A method as recited in claim 1, wherein the state server is a memory replicated state server.

Claim 5 (original): A method as recited in claim 1, wherein the state server is a disk replicated state server.

Claim 6 (original): A method as recited in claim 1, wherein the second Java module further includes a second entity bean in communication with the second state object, wherein the second state object stores a state of the second entity bean.

Claim 7 (original): A method as recited in claim 6, wherein checkpointing is used to replicate the first state object to the state server.

Claim 8 (original): A method as recited in claim 7, wherein a migration-capable non-replicated state for the first entity bean is transferred to the second server.

Claim 9 (original): A method as recited in claim 8, wherein a first replicated state manager executing on the first server transfers the migration-capable non-replicated state to a second replicated state manager executing on the second server.

Claim 10 (original): A method as recited in claim 9, wherein the migration-capable non-replicated state is transferred using a replicated state manager specific transfer protocol.

Claim 11 (original): A system for migrating managed state for a Java based application, comprising:

a first server executing a first Java module, wherein the first Java module includes a first entity bean and a first state object in communication with the first entity bean, the first state object storing a state of the first entity bean;

a state server in communication with the first server, the state server capable of managing replica of the first state object; and

a second server in communication with the state server and the first server, the second server capable of starting a second Java module having a second state object.

Claim 12 (original): A system as recited in claim 11, wherein the second state object is populated with managed state using the replica of first state object on the state server.

Claim 13 (original): A system as recited in claim 11, wherein the second state object is populated with managed state using a copy of the first state object as managed in memory by a replicated state manager.

Claim 14 (original): A system as recited in claim 11, wherein the state server is a memory replicated state server.

Claim 15 (original): A system as recited in claim 11, wherein the state server is a disk replicated state server.

Claim 16 (original): A system as recited in claim 11, wherein the second Java module further includes a second entity bean in communication with the second state object, wherein the second state object stores a state of the second entity bean.

Claim 17 (original): A system as recited in claim 16, wherein checkpointing is used to replicate the first state object to the state server.

Claim 18 (original): A system as recited in claim 17, wherein a migration-capable non-replicated state for the first entity bean is transferred to the second server.

Claim 19 (original): A system as recited in claim 18, further including a first replicated state manager executing of the first server, the first replicated state manager capable of providing the migration-capable non-replicated state to a second replicated state manager executing on the second server.

Claim 20 (original): A system as recited in claim 19, wherein the migration-capable non-replicated state is transferred using a replicated state manager specific transfer protocol.

Claim 21 (original): A method for initializing migrating managed state for a Java based application, comprising the operations of:

sending a request to a second server to start a migrated module, the request being sent from a control module of a first module executing on a first server, wherein the control module passes a schema specification;

creating the migrated module on the second server;

creating a state partitions for the migrated module based on the passed schema specification; and

recovering a managed state for the migrated module from a state server.

Claim 22 (original): A method as recited in claim 21, further comprising the operation of initializing the managed state for the migrated module using a replicated state manager executing on the first server.

Claim 23 (original): A method as recited in claim 22, wherein the replicated state manager uses a replicated state manager specific protocol to transfer initialization data to the migrated module.

Claim 24 (original): A method as recited in claim 21, wherein a replicated state manager creates the state partitions for the migrated module based on the passed schema specification.

Claim 25 (original): A method as recited in claim 24, wherein the replicated state manager further creates SMUs for the migrated module.

Claim 26 (original): A method as recited in claim 25, further comprising the operation of informing the control module to switch control to the migrated module.